

In the claims:

1. (Currently Amended) An internal combustion engine comprising:

- a body;
- a shaft rotatably mounted within said body;
- a pair of pistons within said body, said pair of pistons attached to and extending from said shaft;
- a combustion chamber formed in said shaft; and
- a bearing attached to each piston by a pin.

2. (Currently Amended) The internal combustion engine of claim 1, wherein

- said body has a centerline; and
- said shaft extending along said body centerline.

3. (Currently Amended) The internal combustion engine of claim 1, further comprising:

- a pair of cylinders;
- said pair of pistons reciprocating within said pair of cylinders; and
- a secondary combustion chamber formed between said pair of cylinders.

4. (Currently Amended) The internal combustion engine of claim 1, further comprising:

- an ellipsoid guide in said body; and
- said pair of pistons retained in said ellipsoid guide.

5. (Currently Amended) An internal combustion engine comprising:

- a body, said body having an inner surface and an outer surface;

a shaft rotatably mounted in said body;
 an intake port and an exhaust port formed in said body;

a combustion chamber formed in said shaft, said combustion chamber having a bottom wall, a left edge wall and a right edge wall; and

a bridge extending upwardly from said combustion bottom wall to said body inner surface.

6.Cancelled

7.(Original) The internal combustion engine of claim 5, further comprising:

a sleeve positioned between said shaft and said body.

8.(Original) The internal combustion engine of claim 7 further comprising:

an O-ring between said sleeve and said shaft.

9.(Currently Amended) An internal combustion engine comprising:

a body having an axis;

a shaft rotatably mounted within said body;

a pair of pistons within said body, said pair of pistons attached to and extending from said shaft;

a pair of cylinders;

said pair of pistons reciprocating within said pair of cylinders;

a pin extending from each said cylinder;

a bracket extending radially outwardly from each piston and engaging said pin.

a compression spring surrounding said pin and bearing against said bracket; and

a ~~single~~ combustion chamber formed in said shaft;
~~said combustion chamber having an axis collinear with said body~~
~~axis.~~

10. (Currently Amended) The internal combustion engine of claim 9, wherein

said body has a centerline; and
said shaft extending along said body centerline.

11. (Currently Amended) The internal combustion engine of claim 9, further comprising:

a secondary combustion chamber formed between said pair of cylinders.

12. (Currently Amended) The internal combustion engine of claim 9, further comprising:

an ellipsoid guide in said body; and
said pair of pistons retained in said ellipsoid guide.